



**U.S. Army Corps
of Engineers**
Honolulu District

Public Notice

Public Notice No.
200300512

Date:
October 31, 2003

Reply to:
Regulatory Branch (CEPOH-EC-R/P. Galloway)
U.S. Army Engineer District, Honolulu
Building 230
Fort Shafter, Hawaii 96858-5440

Respond by:
November 30, 2003

200300512

**APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT
FOR ROUTE 1 RECONSTRUCTION AND SHORELINE PROTECTION - PHASE V
(FAGANEANEA TO NUUULI), TUTUILA, AMERICAN SAMOA**

1. **APPLICANT:** Department of Public Works, American Samoa Government, Pago Pago, American Samoa 96799
2. **AGENT:** Mr. Bruce Wade, M & E Pacific, Inc., 1001 Bishop Street, Pauahi Tower, Suite 500, Honolulu, Hawaii 96813
3. **APPLICABLE STATUTORY AUTHORITY:** Section 10 of the River and Harbor Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344)
4. **LOCATION OF PROPOSED ACTIVITY:** As shown in Figure 1 and summarized in Figure 10, Phase V of the Route 1 reconstruction project includes the roadway corridor from Vasaaiga to Oneonelo, plus a relatively small segment of the roadway in the vicinity of Nuuli Store, Tutuila, American Samoa. The activity for which Department of the Army authorization is required will occur along portions of the project which abut the shoreline.

5. PROJECT PURPOSE AND DESCRIPTION:

The purpose of the Federal Highways Administration funded project is to provide a roadway compliant with federal and local government design standards, to establish drainage management for design recurrent rainfall events, and to stabilize the shoreline against erosion. Portions of the project requiring Department of the Army authorization include construction of a shoreline revetment and associated stream outlet improvements along approximately 4,700 feet of shoreline.

As summarized in Figure 10 and detailed in Figures 2 thru 8, the proposed revetment would consist of six segments, including a separate segment fronting Nuuli Store. Revetment construction would follow the design shown in the typical section (Figure 9).

As part of the project, the existing concrete box culverts at Avau, Utulaina, and Afu Streams will be demolished and replaced by new concrete box culverts which are designed to accommodate 50-year rainfall events. At Avau and Utulaina Streams, the new culvert alignments will match the existing alignments, except that they will extend several feet further downstream to accommodate the new, wider roadway. The existing box culvert at Afu Stream will be similarly replaced but will be slightly realigned to the stream and will have an upstream CRM retaining in order to reduce scour at the box culvert and to improve flow.

For project construction, approximately 3,063 cubic yards of material would be excavated from an area of about 0.6 acre lying seaward of the mean high water (MHW) line. The project would also involve the discharge below the mean higher high water (MHHW) line of approximately 5,648 cubic yards (CY) of fill material, consisting of concrete tri-bars (2,237 CY), underlayer stones (1,707 CY), reinforced concrete (52 CY), tremie concrete (143 CY), compacted fill (1,560 CY), and geotextile filter fabric. The total area of waters of the U.S. to be filled would be approximately 0.72 acre. The source(s) of the underlayer stones and (compacted) fill has not yet been specified.

6. IMPACTS OF PROPOSED ACTIVITIES IF AUTHORIZED:

Construction activities have the potential to cause a temporary increase in turbidity in inshore waters; this potential impact may be avoided or minimized by including suitable measures in the project to mitigate effects on the aquatic environment. The applicant states that the construction contractor will be required to develop a best management practices (BMPs) plan for the project. The marine biological community of the project area (which the applicant notes does not include living corals) would be disrupted by construction activities, but the completed revetment would be quickly occupied by marine organisms. The project area does not include any special aquatic sites. In addition to potential effects on the aquatic environment, construction activities may generate temporary, localized increases in dust and noise.

The proposed project is not expected to have any significant long-term adverse impacts. Because such revetment projects are normally sited where erosion is recurring and critical infrastructure is present, the number of such projects is naturally limited and cumulative effects are not considered to be significant.

7. IMPACT ON HISTORIC PROPERTIES:

No other potential historic properties are known in the project area. In the event that discovery of potential historic properties occurs during project execution, the American Samoa Historic Preservation Office will be immediately notified; this is a general condition that would be included in the Department of Army permit.

8. IMPACT ON ENDANGERED SPECIES:

Federally protected green and hawksbill sea turtles are known to be present in waters around the island of Tutuila. Although there may be some limited areas of sand, most of the project reach consists of rocky shoreline and eroding areas at the toes of structures from previous shore

protection efforts. There are no areas believed suitable for turtle nesting. Based on the location and nature of the proposed work, the project is not likely to adversely affect the green or hawksbill turtles or any other species which is candidate, proposed or listed as threatened or endangered under the Endangered Species Act.

This notice has been sent to the U.S. Fish and Wildlife Service and the National Marine Fisheries Service in accordance with Section 7 of the Endangered Species Act. Any comments they have on endangered or threatened species, or their critical habitat, will be considered before a final decision is made on the permit.

9. IMPACT ON ESSENTIAL FISH HABITAT:

The project is not expected to adversely affect any Essential Fish Habitat (EFH) identified pursuant to the Magnuson-Stevens Fishery and Management Act (MSFCMA). This notice has been sent to the National Marine Fisheries Service pursuant to coordination requirements of the MSFCMA. Any conservation recommendations they make concerning EFH will be considered before a final decision is made on the permit.

10. OTHER GOVERNMENT AUTHORIZATIONS/CERTIFICATIONS:

Before a Department of the Army permit can be issued for the proposed work, the applicant must first obtain a Section 401 Water Quality Certification from the American Samoa Government (ASG) Environmental Protection Agency and an American Samoa Coastal Zone Management (CZM) Program consistency certification from the ASG Department of Commerce.

11. EVALUATION FACTORS:

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof: among these are conservation, economics, aesthetics, general environmental concerns, wetlands, historic values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

12. COMMENTS AND INQUIRIES:

Interested parties may submit in writing any comments that they have on the proposed permit. Comments should be forwarded so as to reach this District no later than the response date indicated on the first page of this notice. Mailed comments should cite this notice and should be sent to: Regulatory Branch (CEPOH-EC-R/P. Galloway); U.S. Army Engineer District, Honolulu; Building 230; Fort Shafter, Hawaii 96858-5440. Alternatively, comments may be faxed to the following number: (808) 438-4060. If needed, further information may be obtained

from Peter Galloway via telephone at (808) 438-8416. This notice is also available at the Honolulu District web site (www.poh.usace.army.mil).

13. REQUEST FOR PUBLIC HEARING:

Any person may request, in writing, within 15 days from the date of this notice that a public hearing be held to consider the proposed permit. Requests for public hearing shall specifically state the reasons for holding a public hearing.

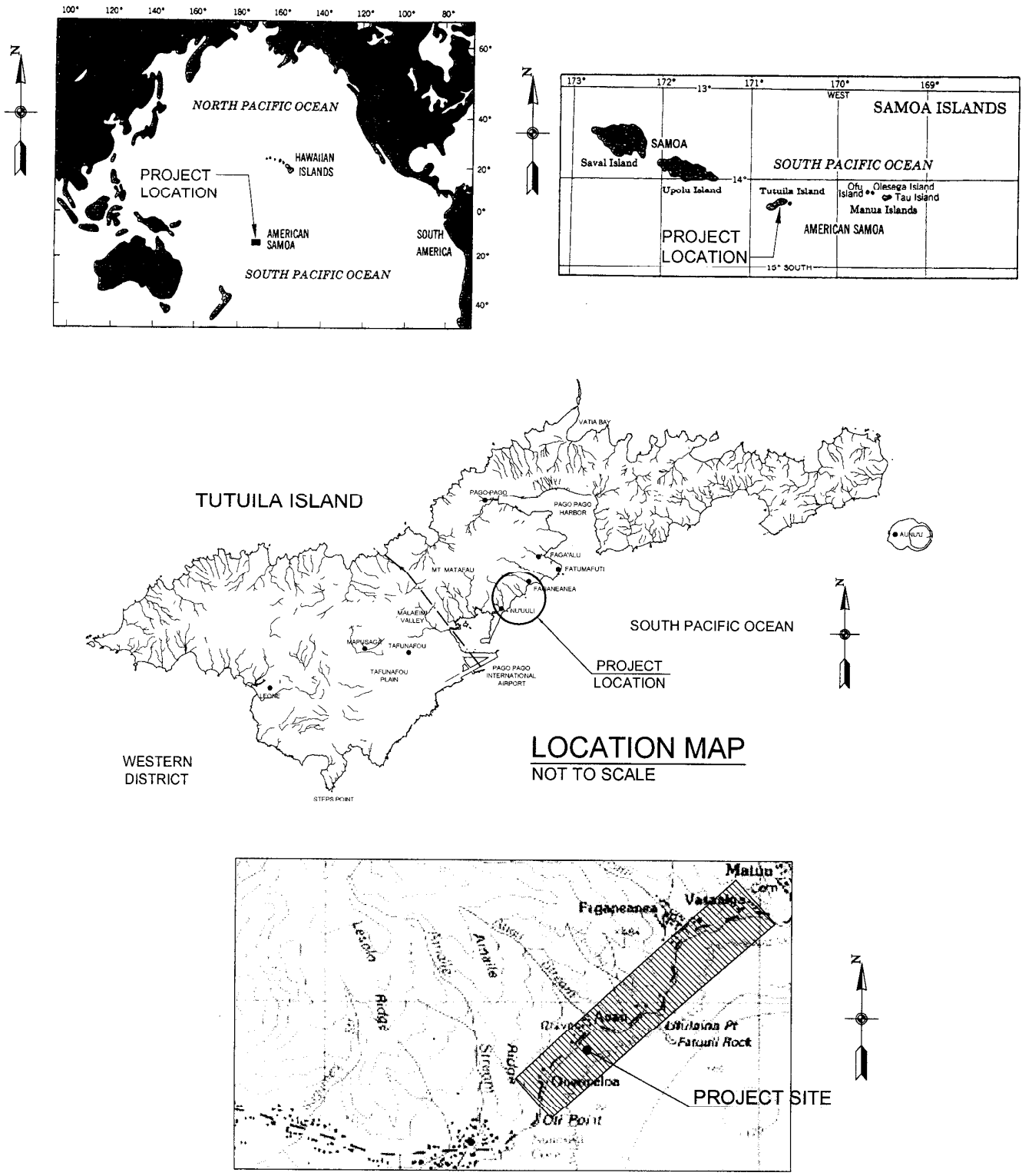
Attachments:

Figure 1. Location map

Figs. 2-8. Plan views

Figure 9. Typical section and tribar details

Figure 10. Overall plan



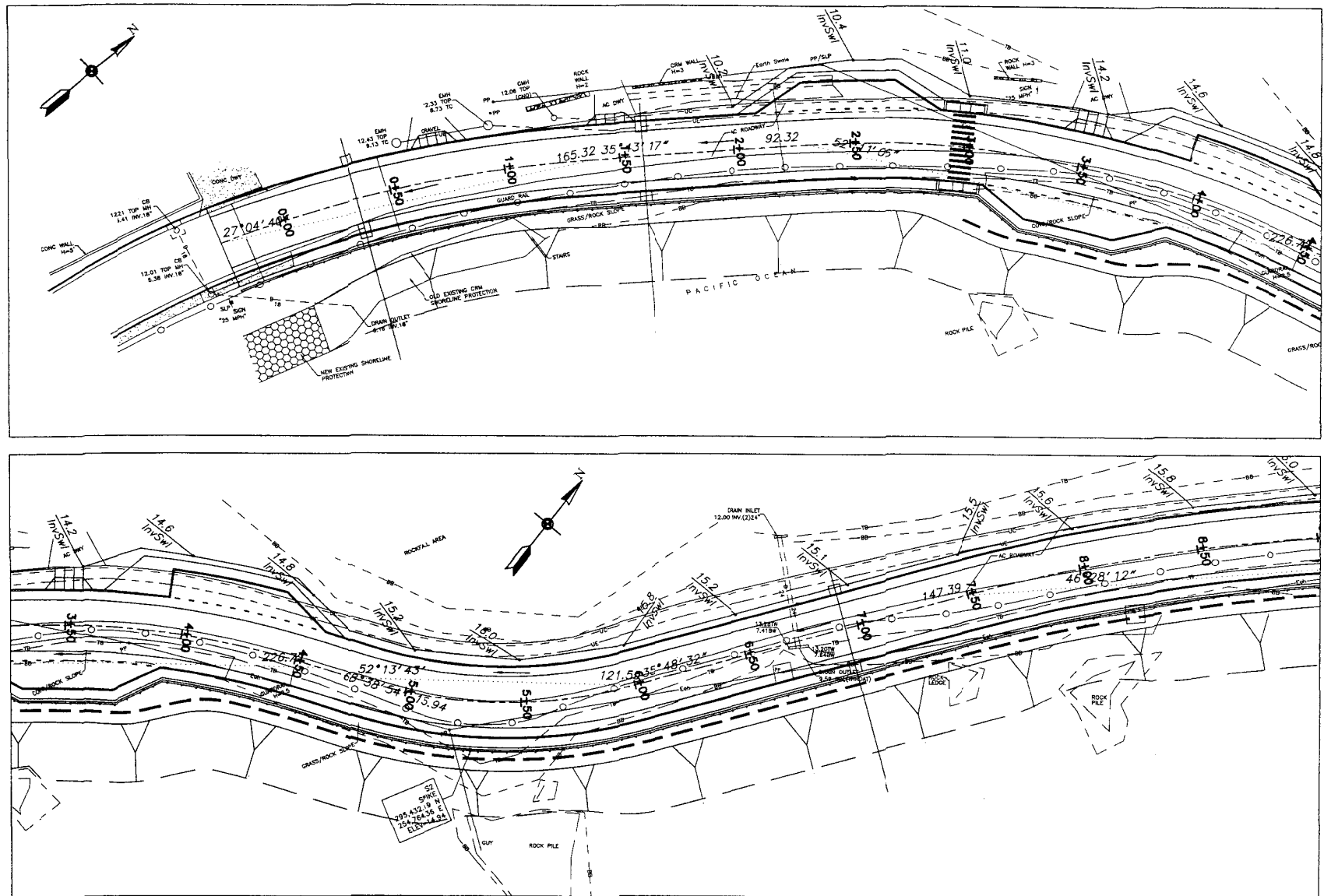
LOCATION MAP
NOT TO SCALE



Bishop Square
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Honolulu, Hawaii 96813

FIGURE 1
PROJECT LOCATION MAPS
ROUTE 1 RECONSTRUCTION & SHORE PROTECTION - PHASE V
Faganeanea to Nuuuuli, Tutuila Island, American Samoa
July 2003

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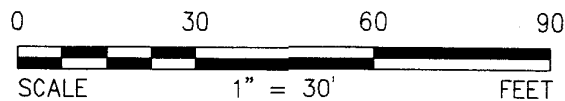
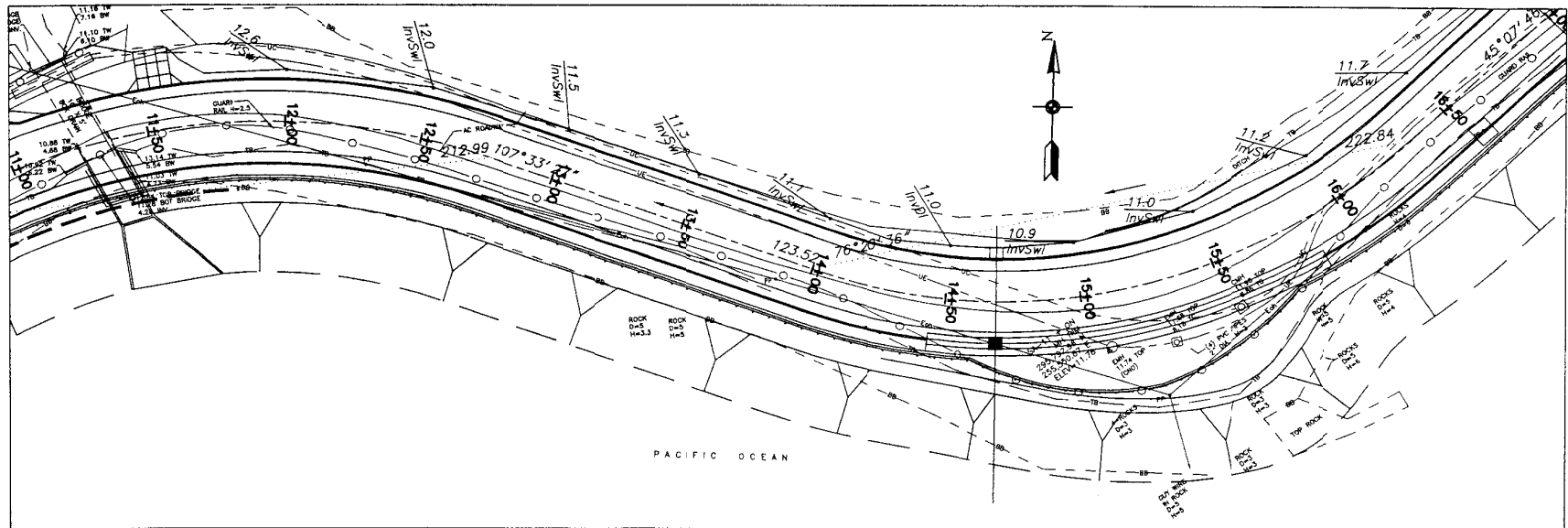
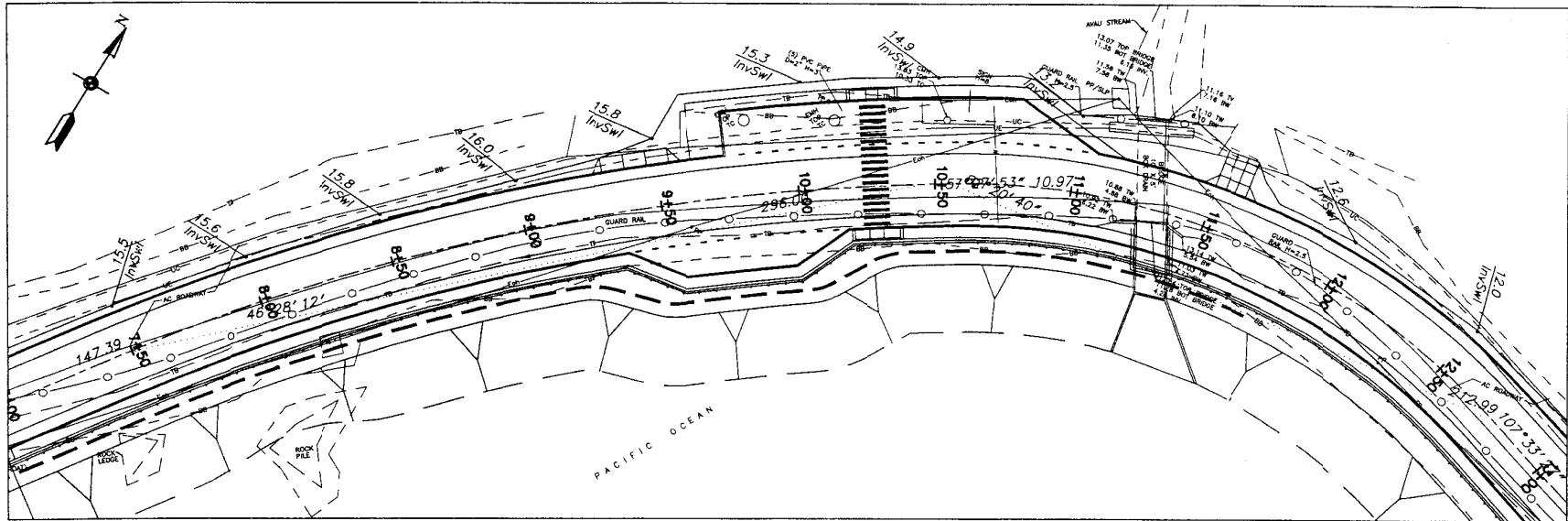


FIGURE 2
 PLAN - STA (-)0+26.82 (BOP) - 8+00
 ROUTE 1 RECONSTRUCTION & SHORE PROTECTION
 PHASE V
 Faganeanea to Nuuli, Tutuila Island, American Samoa
 July 2003



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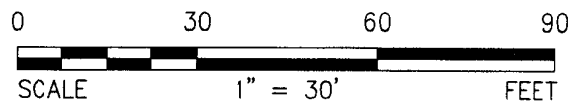
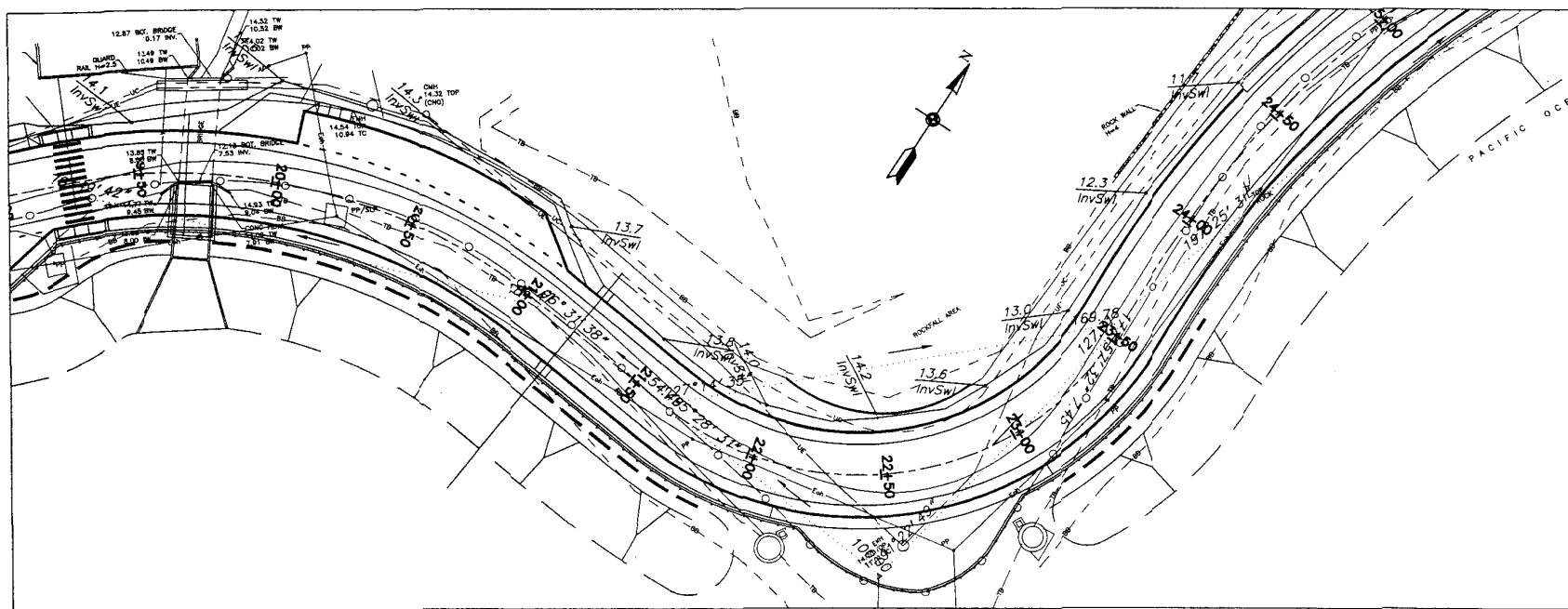
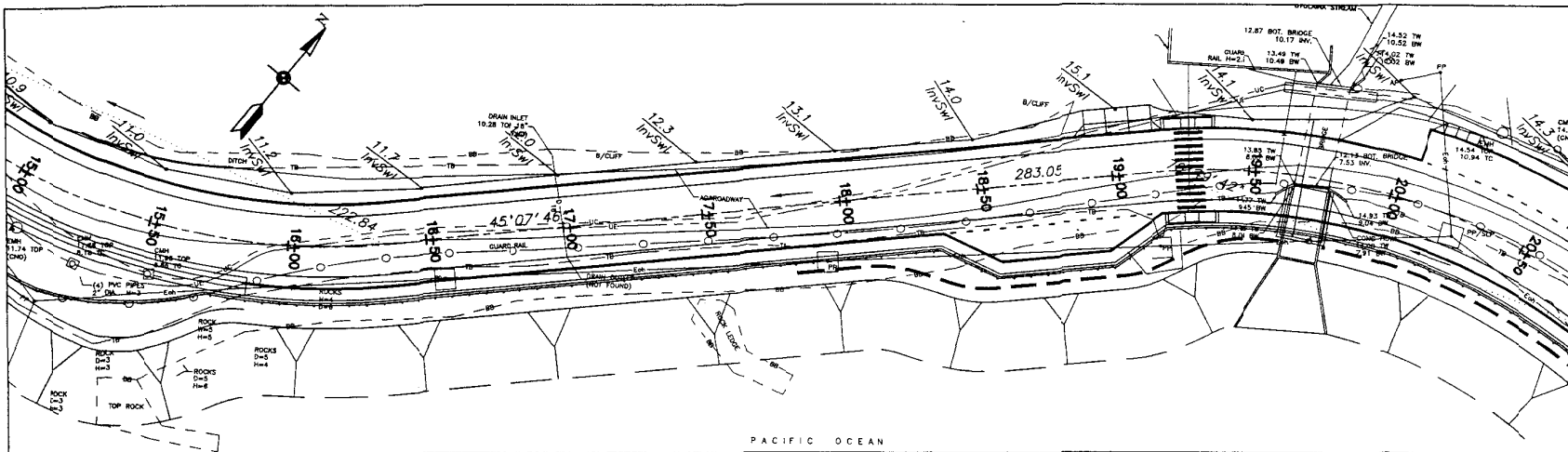


FIGURE 3
PLAN - STA 8+00 - 16+00
ROUTE 1 RECONSTRUCTION & SHORE PROTECTION
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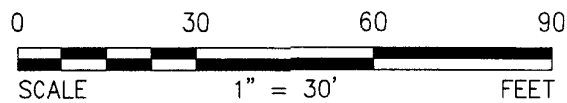
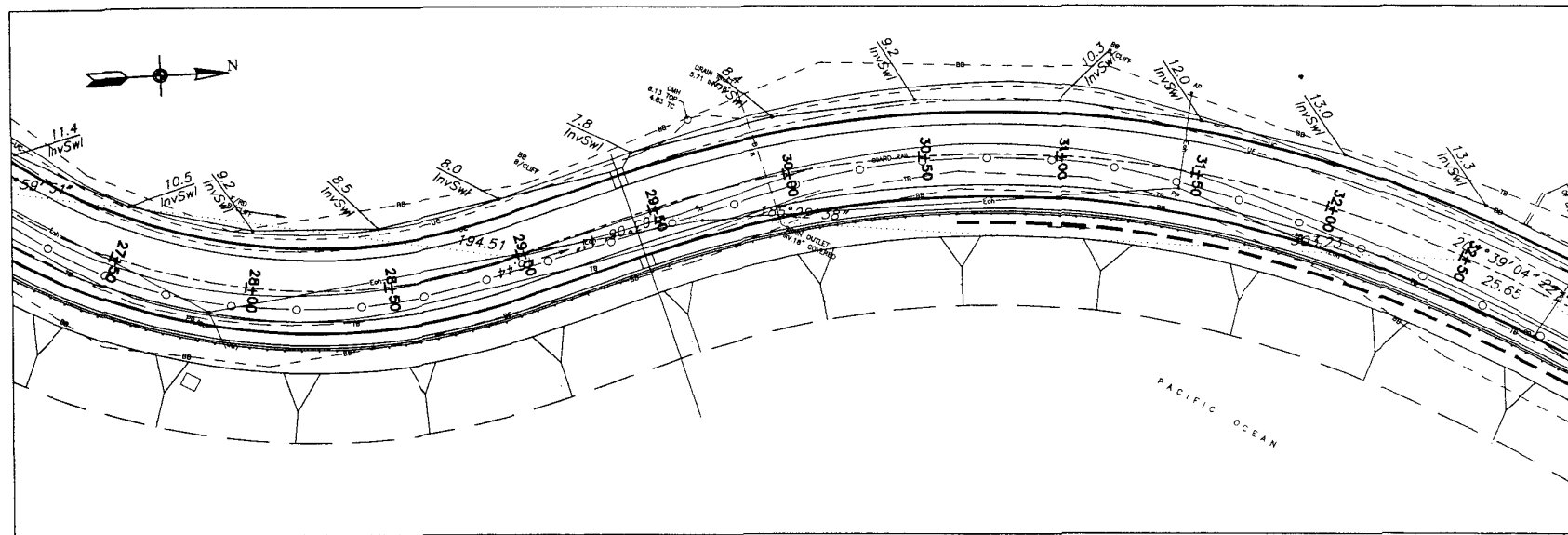
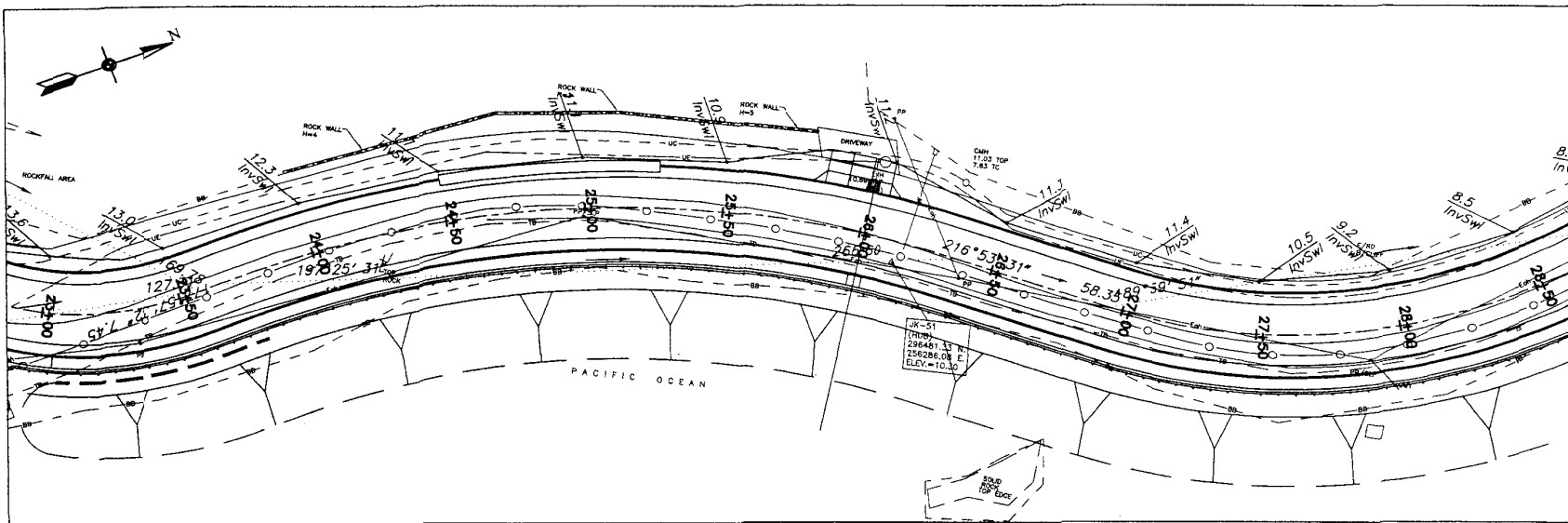


FIGURE 4
PLAN - STA 16+00 - 24+00
ROUTE 1 RECONSTRUCTION & SHORE PROTECTION
PHASE V
Faganeanea to Nu'uuli, Tutuila Island, American Samoa
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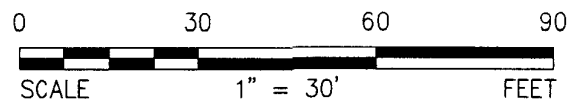
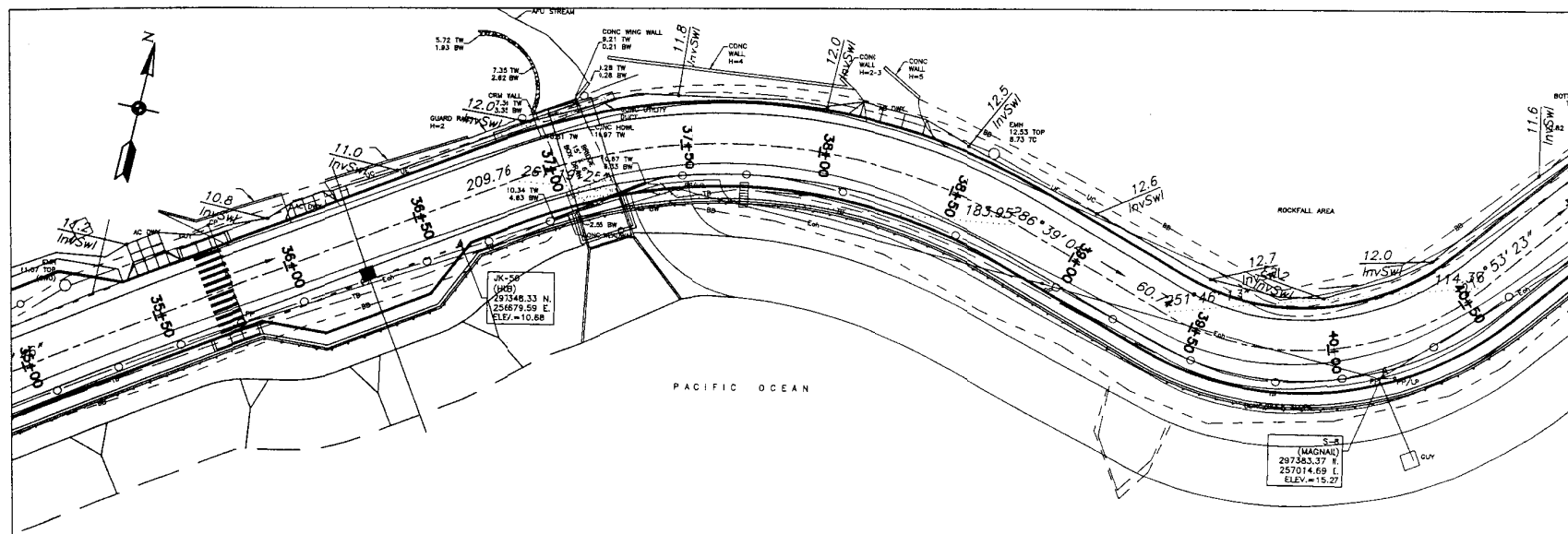
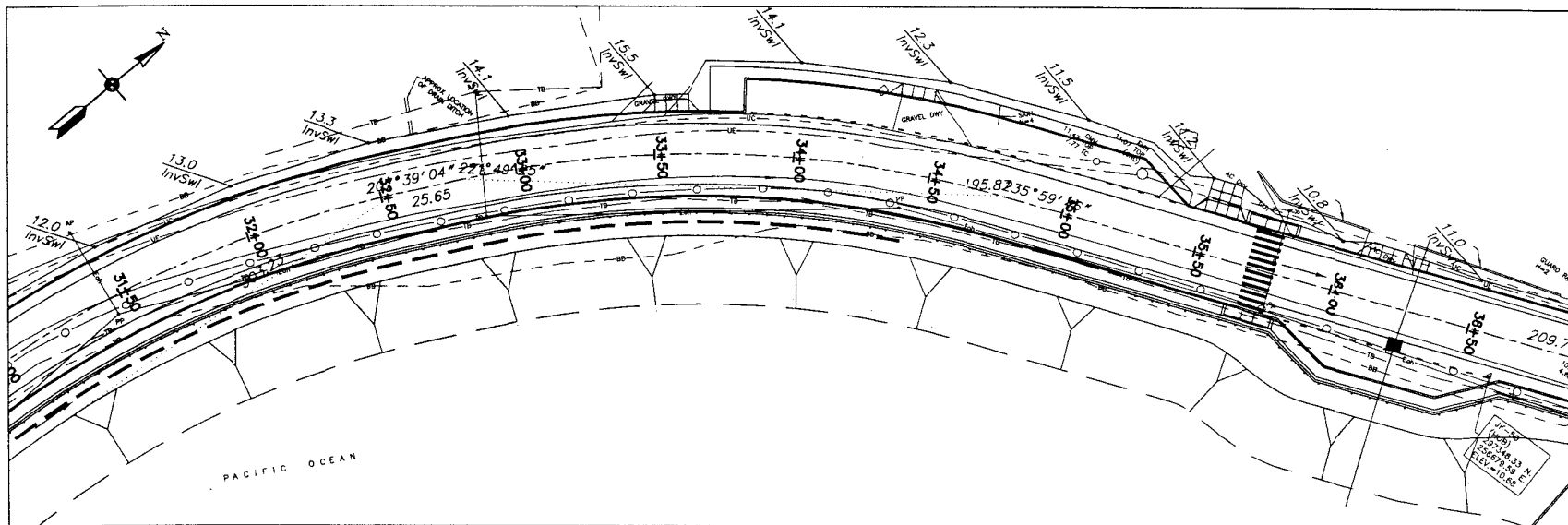


FIGURE 5
PLAN - STA 24+00 - 32+00
ROUTE 1 RECONSTRUCTION & SHORE PROTECTION
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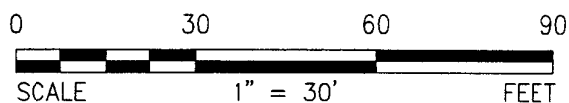
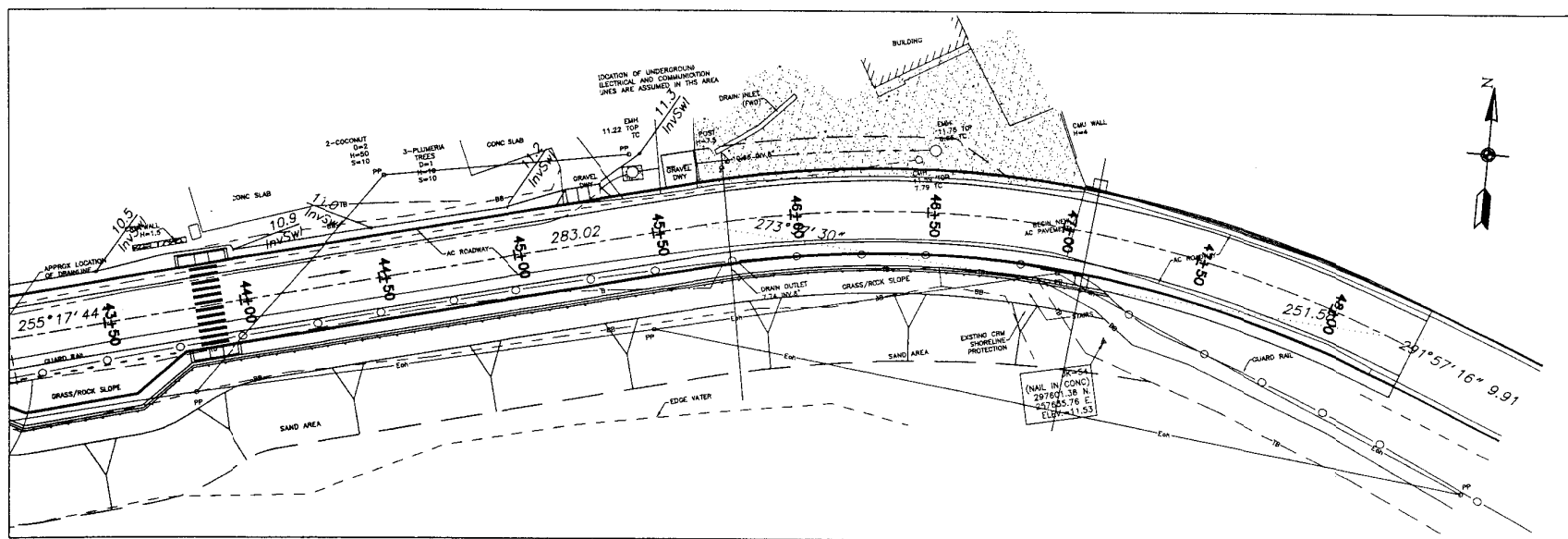
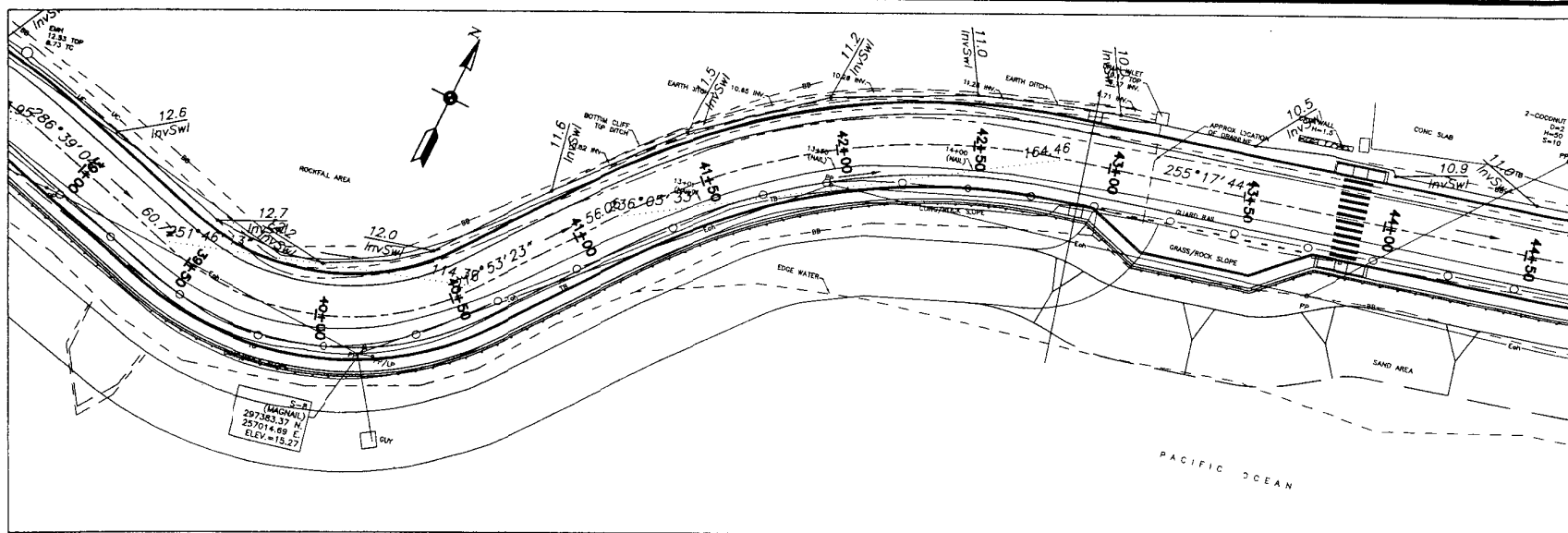


FIGURE 6
PLAN - STA 32+00 - 40+00
ROUTE 1 RECONSTRUCTION & SHORE PROTECTION
PHASE V
Faganeanea to Nuuli, Tutuila Island, American Samoa
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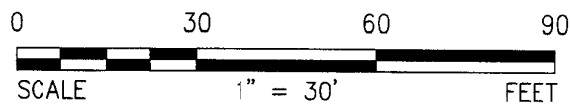
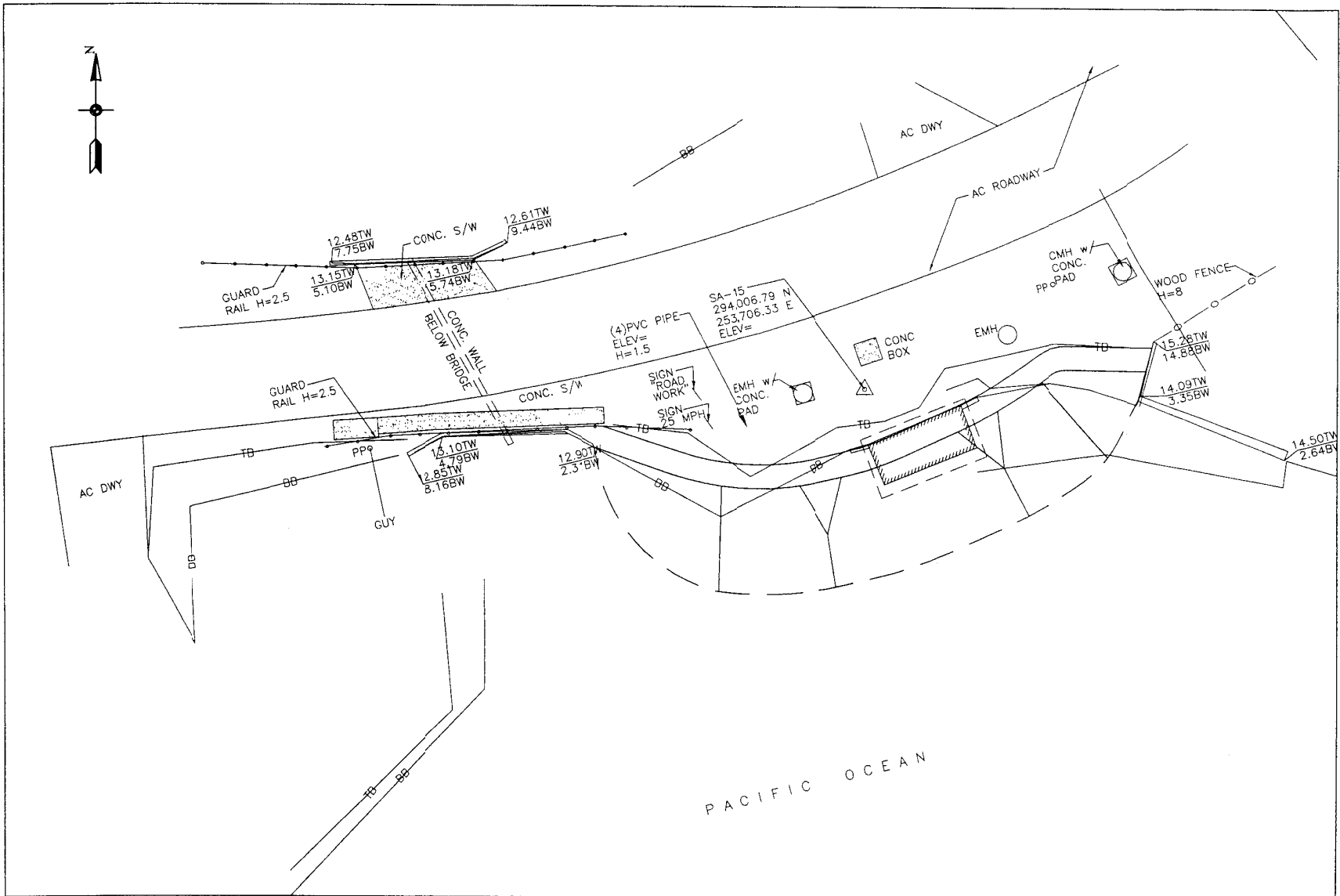


FIGURE 7
PLAN - STA 40+00 - 48+32.71 (EOP)
ROUTE 1 RECONSTRUCTION & SHORE PROTECTION
PHASE V
Faganeanea to Nu'uuli, Tutuila Island, American Samoa
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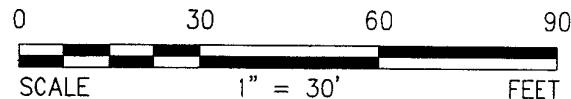
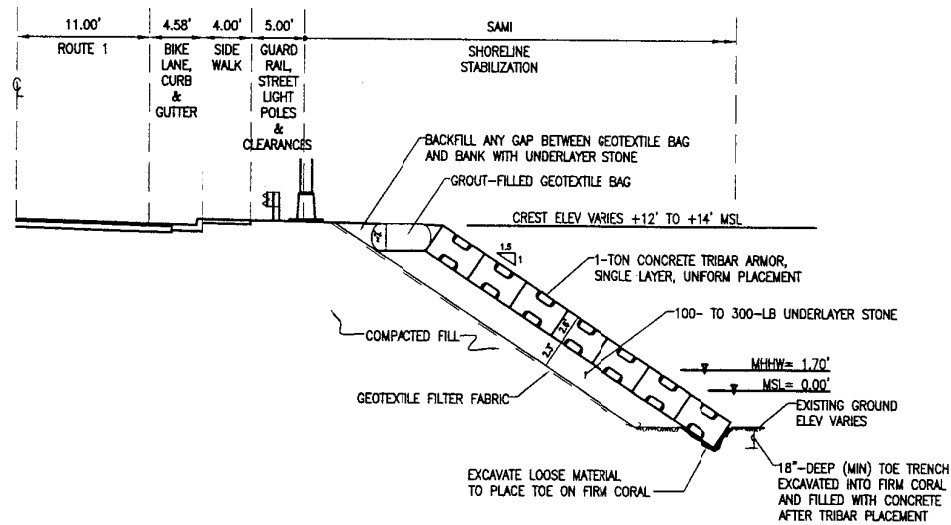
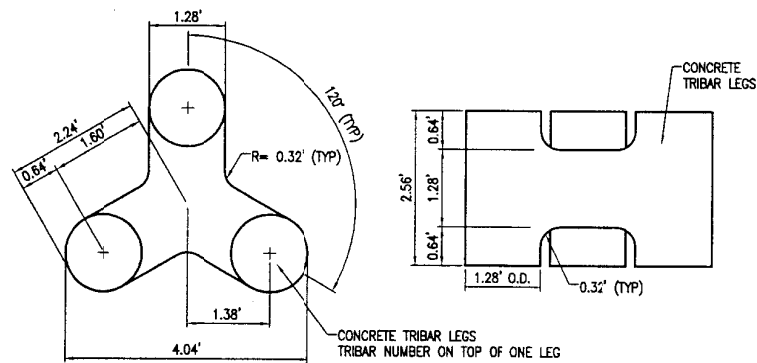


FIGURE 8
PLAN - NUUULI STORE
ROUTE 1 RECONSTRUCTION & SHORE PROTECTION
PHASE V
Faganeanea to Nuuli, Tutuila Island, American Samoa
July 2003



TYPICAL REVETMENT SECTION

SCALE: NTS



1-TON TRIBAR DETAIL

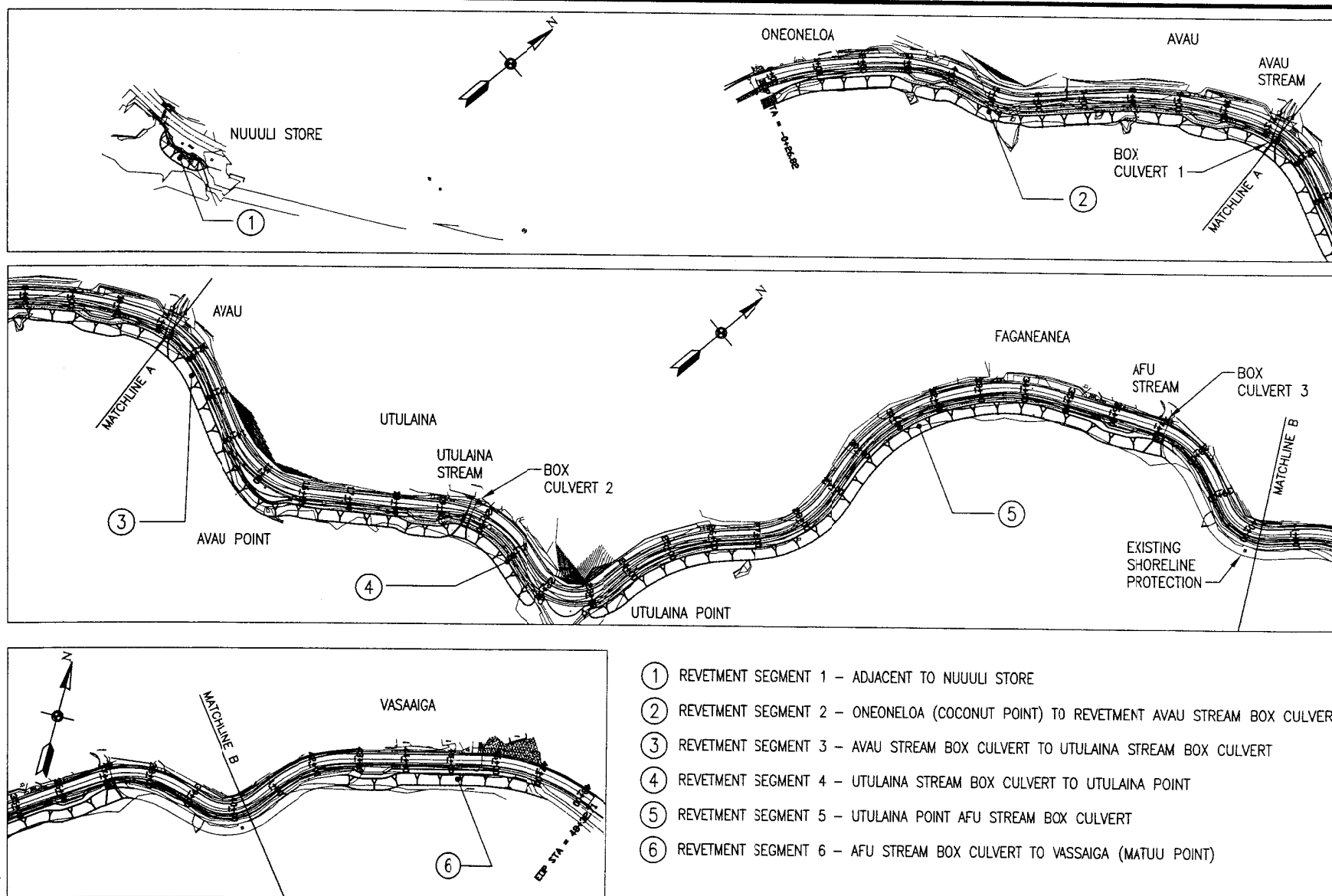
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FIGURE 9
TYPICAL SECTION & TRIBAR DETAILS
ROUTE 1 RECONSTRUCTION & SHORE PROTECTION
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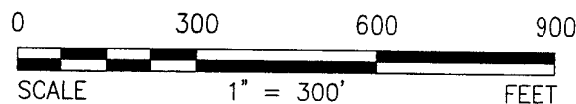


FIGURE 10
SEAWALL OVERALL PLAN
ROUTE 1 RECONSTRUCTION & SHORE PROTECTION
PHASE V
 Faganeanea to Nuuuuli, Tutuila Island, American Samoa
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